

# LL7810AW

Metallocene Linear Low Density Polyethylene Resin

**Special Characteristics:** InnoPlus LL7810AW is metallocene linear low density polyethylene with hexene comonomers, without slip and antiblock. This grade is a high performance grade which offer an outstanding toughness and impact properties along with good heat sealing performance and low seal initiation. It is suitable for both blown mono and multilayer film.

**Typical Applications:** InnoPlus LL7810AW is recommended for lamination films, food packaging, multilayer packaging film, stand up pouches

## Typical Properties:

Properties	LL7810AW	Unit	Test Method
Physical Properties (Based on pellets and press-molded sheet)			
Melt Index (190 °C, 2.16 kg)	1	g/10 min	ASTM D1238
Density	0.915	g/cm <sup>3</sup>	ASTM D792
Melting Temperature	119	°C	ASTM D3418
Vicat Softening Point	104	°C	ASTM D1525
Film Properties* (Based on blown film)			
Tensile Strength at Break (MD/TD)	55 / 45	MPa	ASTM D882
Elongation at Break (MD/TD)	630 / 620	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	230 / 240	MPa	ASTM D882
Dart Impact Strength	1000	g	ASTM D1709
Tear Strength (MD/TD)	90 / 110	g	ASTM D1922
Haze	20	%	ASTM D1003
Gloss (45°)	30	-	ASTM D2457

\*Film made on blown film line at blow up ratio 2.5. Gloss (45°) obtained from 40 microns film while other film properties obtained from 25 microns film.

## Recommendation:

The recommended temperature setting is in the range of 160 - 180 °C for extruder and 170 - 190 °C for die zone.

## FDA Statement:

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

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**Note :** Properties reported here are typical values of the product, not to be considered as specifications.

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